



PATENT
Attorney Docket No. 440465/PALL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Markus LOTZ

Group Art Unit: 1723

Application No. 09/837,755

Examiner: Ana M. Fortuna

Filed: April 19, 2001

For: MASHING PROCESS

INFORMATION DISCLOSURE STATEMENT

Mail Stop
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is being filed:

- ☒ **within** any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date

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of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:

☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).

or

☒ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

Copies of the References

- ☒ Copies of the references listed on the enclosed Form 1449 are enclosed herewith.

- ☐ A copy of a foreign search report is enclosed herewith.

- ☐ The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLICATIONS		Status (<i>check one</i>)		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1.				
2.				
3.				

Statement under 37 CFR 1.97(e)

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Statement under 37 CFR 1.704(d)

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Fees

- ☐ No fee is owed by the applicant(s).
- ☐ The **IDS Fee of \$180** under 37 CFR 1.17(p) is enclosed herewith.

Method of Payment of Fees

- ☐ Attached is a check in the amount of \$.
- ☐ Charge Deposit Account No. 12-1216 in the amount of \$. (A duplicate copy of this communication is enclosed for that purpose.)

Authorization to Charge Additional Fees

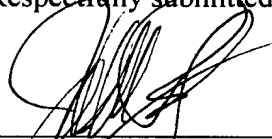
- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

In re Appln. of Markus LOTZ
Application No. 09/837,755

Instructions as to Overpayment

☒ Credit Account No. 12-1216.
☐ Refund

Respectfully submitted,



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Date: 11 Dec 2003

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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/837,755
Filing Date	April 19, 2001
First Named Inventor	Markus LOTZ
Group Art Unit	1723
Examiner Name	Ana M. Fortuna
Attorney Docket Number	440465/PALL

U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
	A 1	1,762,560		Morton	06/10/1930	
	A 2	4,066,546		Sasaki	01/03/1978	
	A 3	4,872,404		Quetsch et al.	10/10/1989	
	A 4	4,925,557		Ahlberg, Jr. et al.	05/15/1990	
	A 5	4,943,374		Heininger et al.	07/24/1990	
	A 6	5,014,564		Culkin	05/14/1991	
	A 7	5,143,630		Rolchigo	09/01/1992	
	A 8	5,415,781		Randhahn et al.	05/16/1995	
	A 9	5,707,517		Rolchigo et al.	01/13/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
	A 10	PCT	WO 92/12231		Heineken Technisch Beheer B.V.	07/23/1992		
	A 11	UK	942,623		Weigelwerk Aktiengesellschaft	11/27/1963		
	A 12	GB	2,263,856		Pauls Malt Limited	11/08/1993		
	A 13	EP	0 370 118 B1		HERCO-CFF ChiralFlow Filter- Technik GmbH	05/30/1990		
	A 14	EP	0 560 281 B1		Randhahn, et al.	06/15/1993		
	A 15	FR	1,535,555		Magyar Orszagos Soripari Vallalat	07/01/1968		
	A 16	DE	1 914 594		Dipl.-Br. Ing. Fritz Reiter	09/24/1970		
	A 17	DE	25 58 683 C2		Guyer et al.	11/02/1982		
	A 18	DE	28 36 866		Dynofag AG	03/13/1980		
	A 19	DE	3401 607 C2		Wronski et al.	07/31/1986		
	A 20	DE	42 07 614 C1		Randhahn et al.	09/23/1993		
	A 21	DE	43 29 077 C1		gleich Patentinhaber	07/14/1994		

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
	A 22	Schuster et al.; Die Technologie der Würzebereitung, Edition 6, 1985; pp. 114-196.		
	A 23	Kruger et al.; Betriebs-und Qualitätskontrolle in Brauerei und alkoholfreier Getrankeindustrie (1976); pp. 184-196		
	A 24	Kieninger et al.; Über das Auftreten von fluchtigen Phenolen beim Darren von Malzen; Wissenschaftliche Station für Brauerei in München, 1977; pp. 129-137.		
	A 25	Schoffel F.; Pulverisierung von Malz (Brauwissenschaft, 1972); Vol. 25. No. 10; pp. 301-312		
	A 26	R. Junker; XP-002073603 "Einfluss von Enzymierung und Schonung auf den Kolloidgehalt bzw. die Filtrierbarkeit von Saft aus schwarzen Johannisbeeren" in FLUSSIGES OBST, Vol. 61, No. 6/7, 1994; pp. 262-265.		

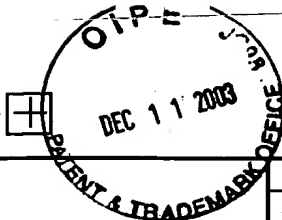
Examiner Signature

Date Considered

* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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Examiner Name	Ana M. Fortuna
Attorney Docket Number	440465/PALL

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
	A 2 7	D. Deublein, et al.; "Kontinuierliches Lautern" (Brauwelt, 1980); pp. 1450-1544.		
	A 2 8	F. Reiter; "B-I-W Verfahren zur Maische-und kontinuierlichen Wurzegewinnung (Brauwelt) Vol. 102, No. 24, 1962; pp. 449 et seq.		
	A 2 9	F. Reiter, "Ein Jahr Bierherstellung mit kontinuierlicher Wurzegewinnung nach dem Reiterverfahren (Brauwelt Vol. 104 No. 21) 1964.pp. 699-702		
	A 3 0			
	A 3 1	T.M. Buhler, et al.; "The Application of Membranes for New Approaches to Brewery Operations" EPC Kongress 1993; p. 76 et. seq.		
	A 3 2	D.B. Pall; "Bacterial Removal Mechanism in Membrane Filters"; Pall Corporation, Colloid and Surface Science Symposium, 1978; pp. 224-225.		
	A 3 3	J. W. Daily, et al.; "Chamber Dimension Effects on Induced Flow and Frictional Resistance of Enclosed Rotating Disks"; (Journal of Basic Engineering), 1960, pp. 217-232.		
	A 3 4	R. E. Nece, et al.; "Roughness Effects on Frictional Resistance of Enclosed Rotating Disks"; (Journal of Basic Engineering) 1960, pp. 553-562.		
	A 3 5	Shirato; Application of Supersonic Waves to the Food Industry (1987); Vol. 22, No. 10; pp. 32-37		

Examiner Signature

Date Considered

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+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).